

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II DNA Library Prep Kit for Illumina®
Catalog Number: E7645G
Packaging Lot Number: 10254638
Expiration Date: 09/2025
Storage Temperature: -20°C
Specification Version: PS-E7645G v1.0

NEBNext® Ultra™ II DNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7649GVIAL	NEBNext® Ultra™ II Q5® Master Mix	10254644	Pass
E7648GVIAL	NEBNext® Ultra™ II Ligation Master Mix	10254641	Pass
E7647GVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10254640	Pass
E7646GVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10254639	Pass
E7374GVIAL	NEBNext® Ligation Enhancer	10254643	Pass

Assay Name/Specification	Lot # 10254638
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II DNA Library Prep Kit for Illumina® and meet the designated specifications.	Pass
Functional Testing (Library Construction, DNA) Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available genomic DNA, using the kit's minimum and maximum input requirements. Libraries made from previous and current lots for both input DNA amounts are sequenced together on the same Illumina® flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Christine Sumner

Christine Sumner
Production Scientist
10 Oct 2024



Josh Hersey
Packaging Quality Control Inspector
07 Jan 2025